INVESTIGATOR'S ANNUAL REPORT

National Park Service

All or some of the information provided may be available to the public

Reporting Year:		
2001		Park:
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Permit#:		
SHEN-2001-SCI-0019		
Park-assigned Study Id. #: SHEN-00241		
Project Title:	III ATIONS AETED A 500 V	
LONG TERM RECOVERY OF FISH POP	ULATIONS AFTER A 300 T	EAR FLOOD EVENT IN A SHENANDOAH NATIONAL PARK STREAM
Permit Start Date: Apr 16, 2001	ULATIONS AFTER A 500 1	Permit Expiration Date Apr 15, 2002
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Permit Start Date: Apr 16, 2001 Study Start Date: Jan 01, 1995 Study Status: Continuing Activity Type: Research Subject/Discipline: Fish / Ichthyology Objectives: The primary objective was to determine the after a catastrophic flood and debris flow. W pools and riffles within flood affected and u Findings and Status: After being completely wiped out following dace also are present, but distributed more p 1998 in the flood-affected reach but returned (N=52), brook trout are capable of negotiati and included in a MS thesis and a peer revie production and water chemistry. For this study, were one or more speciments	characteristics of recovery (chew to used radio telemetry and manaffected reaches) the June, 1995 event, brook tratchily (in low-gradient, relating to pre-flood levels thereaftering steep cascades in both downwed publication. This researches collected and removed from	Permit Expiration Date Apr 15, 2002 Study End Date Dec 31, 2002 ange in fish populations - density, growth, movements) in a mountain stream rk and recapture to monitor fish movements among different habitat types(eg.) Dut recolonized the entire 1.6 km of flood-affected Satunton River. Blacknose rely shallow pools). Brook trout growth was significantly greater in 1997 and As evidenced by recovery of fish marked with PIT tags and radio transmitters and upstream directions. Data from the fall 1999 and earlier were analysed in was conducted in junction with studies of benthic macroinvertebrate

Fill out the following ONLY IF the National Park Service supported this project in this reporting year by providing money to a university or college		
Full name of college or university:	Annual funding provided by NPS to university or college this reporting year:	
n/a	0	